STANDARDIZED FORMAT FOR USE IN THE PREPARATION OF PRODUCT TEST REPORTS
Fuel System Icing Inhibitor

GENERAL INSTRUCTIONS
October 2002

These instructions are designed for use as a guide in preparing/formatting test reports in a consistent manner. Computer generated or typed test reports are acceptable. A Standardized Test report format is provided at Figure I and includes all tests approved for all Fuel System Icing Inhibitor (FSII) products. The Test Codes used in this standard report format will be incorporated into future Electronic Data Interchange (EDI) and extensible Markup Language (XML) transmissions of test result data.

The Standard Test Report Format for Refined Bulk Fuels was used as a template for the expanded "generic" standard test report form for FSII. The codes containing an alpha character indicate alternative methods used to measure a property or characteristic. A numeric change of "1" unit indicates multiple measurements, ratings or test conditions which can be reported for a particular method. All measurements are in metric units.

The use of this code provides flexibility in adding or deleting test methods while not affecting the existing methods and thus eliminates the need for additional programming. For example, an ASTM method may have an equivalent ISO or other method. If the ASTM test method number is used as a reference, the ISO equivalent may be lost unless new programming is established to make it a choice. With the code, the equivalency will continue without any additional programming.

Each test report should be tailored to include only those rows of information that are applicable to the specific product being tested and the methods used to evaluate each property. Select only those methods authorized by the product specification unless otherwise stated in the contract. The code used should be limited to the actual test method used for a particular analysis. If an analysis is performed which is not cited by the specification, report the result, units and method used at the bottom of the report. If a test code does not appear for a specification or contract approved method, contact the Defense Energy Support Center (DESC) at commercial (703) 767-8356 for resolution.

DETAILED INSTRUCTIONS FOR THE STANDARD TEST REPORT FORMAT (FIGURE 1)

Item 1: This date is the tank approval date, which is usually the date the testing is completed or the report date.

Item 2B: The City should match the "Shipped From" city on the DD 250-series document.

Item 8: Report the quantity in US Gallons shipped from the above batch in the above tank under DESC Contract. This entry need not be completed if the same batch will be used for subsequent shipments. In this case, assure that the tank number, batch number and report date are on the DD-250-series documents for shipments made from this tank

FIGURE I - STANDARD TEST REPORT FORMAT

1 REPORT DATE: (MM/DD/YY)_____
2A CONTRACTOR: _____
2B REFINERY CITY: _____
2C STATE/COUNTRY: _____
3A CONTRACT NUMBER: (SPO600-YY-D-NNNN)_____
3B CONTRACT LINE ITEM NUMBER: _____
3C DESC ORDER NUMBER _____
4A TANK NUMBER: _____
4B BATCH NUMBER (In Tank): _____
4C SAMPLE NUMBER: _____
5 PRODUCT: _____
7 SHIPPED TO: _____
8 QUANTITY FROM TANK SHIPPED TO DESC: _____USG

APPEARANCE

Code	Method	Test	Unit
020B	Visual	Visual Appearance	C&B

Code	Method	Test	Unit
045A	D-1209	Pt-Co Color	0.5-Color
045B	E-450	Pt-Co Color	0.5-Color

COMPOSITION

Code	Method	Test	Unit
100E	D-664	Acidity in Solvents	mg KOH/g

Code	Method	Test	Unit
197A	D-4171	Ethylene Glycol	mass %
197B	85470	Ethylene Glycol (Titration)	mass%

VOLATILITY

Code	Method	Test	Unit
200C	D-1078	Distillation of Organic Liquids	
201		Initial Boiling Point	°C
211		Final Boiling Point	°C
220A	D-56	Flash Point - Tag	°C
220B	D-93	Flash Point - P/M	°C

Code	Method	Test	Unit
220C	D-3828	Flash Point - Seta, Method A	°C
220D	D-3828	Flash Point - Seta, Method B	°C
232A	D-891	Relative Density	kg\L
232B	D-4052	Relative Density - Digital	kg\L
233		Temperature of Relative Density	°C

CONTAMINANTS

Code	Method	Test	Unit
781C	D-1364	Water Content	mass %
781D	D-1064	Water Content	mass %

Code	Method	Test	Unit
781E	E203	Water Content	mass %

ADDITIVES

Code	Method	Test/Additive	Unit
800A	Antioxidant	Topanol A	mg/L
800B	Antioxidant	HITEC 4733	mg/L
800C	Antioxidant	AN 733	mg/L
800D	Antioxidant	AO-31	mg/L
800E	Antioxidant	AO-30	mg/L
800F	Antioxidant	AO-29	mg/L
800G	Antioxidant	Nalco EC5208A	mg/L
800H	Antioxidant	TOLAD 3915	mg/L
800I	Antioxidant	TOLAD 3920	mg/L
800J	Antioxidant	TOPANOL AN	mg/L
800K	Antioxidant	CHIMIC 4327	mg/L
800L	Antioxidant	AO-37	mg/L
800M	Antioxidant	BETZ BQ203	mg/L
800N	Antioxidant	Chemlink No 4650	mg/L
800O	Antioxidant	Petroxylin E219	mg/L
800P	Antioxidant	Kerobit TP-26	mg/L
800Q	Antioxidant	Pet411K	mg/L
800R	Antioxidant	ISONOX 133	mg/L
800S	Antioxidant	AO-37B	mg/L
800T	Antioxidant	ISONOX 75	mg/L
800U	Antioxidant	HITEC 4775	mg/L
801	Additive Injection Point		(Note)

OTHER TESTS

Code	Method	Test	Unit
950	E-70	pH of 25% Solution in Water	pH Units